From: <u>Hartung, Daniel</u>

To: BOEM AOCSR Leasing and Plans

Cc: <u>Johnston, David</u>

Subject: FW: ConocoPhillips NOI and EPA permit authorization

Date: Friday, March 16, 2012 12:36:23 PM

Attachments: <u>DP NOI rev2.pdf</u>

noi_cover.pdf noi_table1_rev2.pdf Waste Stream_Drill_Ship.pdf Waste Stream_Jack-up_Rig.pdf

Artic GP Coverage ConocoPhillips Ltr.pdf Figure 1 Devils Paw Prospect.pdf

From: Hanh Shaw [mailto:Shaw.Hanh@epa.gov]

Sent: Friday, March 16, 2012 12:23 PM

To: Hartung, Daniel

Subject: ConocoPhillips NOI and EPA permit authorization

Hi Dan,

It was nice chatting with you. As promised, attached are the ConocoPhillips NOIs and EPA's authorization under the Arctic NPDES General Permit (now expired).

I will be in touch in a few weeks to discuss the input we received during the public process for the draft Beaufort and Chukchi Exploration NPDES general permits and agency coordination.

Hanh

Hanh Shaw, Team Lead

NPDES Permits Unit, OWW-130 U.S. Environmental Protection Agency 1200 Sixth Avenue, Suite 900 Seattle, WA 98101

P: 206-553-0171 F: 206-553-0165 shaw.hanh@epa.gov

ATTACHMENT 1

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

APPLICA									
Owner Nam	e:	Conoco	Phillips Alaska,	inc.			PO Box 1	00360	
Telephone N	lumber:	907-26	5-6417		Operator		Anchorage, Alaska 99510-0360		
Operator Na	me:	Conoco	Phillips Alaska, I	nc.	Address				
Telephone N	lumber:	907-26	5-6417						
FACILIT	Y								
Facility Nan	ne:	To Be D	Determined			. r - 111	PO Box	100360	
Contact Nan	ne:	Bruce S	St. Pierre		Facility l		Anchorage	e, Alaska 99510-0360	
Telephone N	lumber:	907-26	5-6417		Audicss				
Beginning D Operation:	Pate of	July 1,	2013		Stational	у	Latitude	:	
Expected Du of Operation		40 Days	s Per Well Site		Facilities	3	Longitud	le	
		-=-	Jackup Drill Ship				Initial Latitude	Center Point: 70° 53'15.054"N (NAD 83)	
Facility Typ			Semisubmersib	Mobile I	acilities	Initial Longitud	Center Point: 165°		
		🖾 hi	as not been deter	Exact drilling vessel mine at this time.					
								ject. Mobile facilities	
								as and a description of sitive area indicated by	
				n the operation/disc					
RECEIV									
	chi Sea				Oti	ner (<i>specif</i>)	∂ :		
Beaufo	ort Sea								
			U.S. Departmen	nt of State and NOA	AA that th	e discharge	e is seawa	rd of the inner boundary	
baseline, if a			-						
LOCATI	ON OF	DISCH				,			
MMS	Lease Nu	umber	OCS-Y-2	2381	ADNR	Lease N		N/A	
Block Number Colbert Area Block 6123		ADINK	Block N	umber	N/A				
Range of water depths below mean lower low water (MLLW) in the lease block: From: 137' To: 137'								137'	
IOW WAIGI (I		i iiic icas	O DIOCK.						

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Dis	charges (<i>check</i>								
X	001 Drilling Muc		Water	Depth:	30 feet				
×	002 Deck Draina	ge	Water 1		30 feet				
X	003 Sanitary Was	ste	Water	Depth:	30 feet				
X	004 Domestic W	aste	Water		30 feet				
X	005 Desalination	Unit Waste	Water	-	30 feet				
×	006 Blowout Pre	venter Fluid	Water	Depth:	13T feet				
X	007 Boiler Blow	down (When Applicable)	Water	Depth:	30 feet				
X	008 Fire Control	System Test Water	Water	Depth:	30 feet				
x	009 Non-Contact	Cooling Water	Water	Depth:	30 feet				
X		ated Ballast Water	Water	Depth:	30 feet				
x	011 Bilge Water	·	Water 1	Depth:	30 feet				
X	012 Excess Ceme	ent Slurry	Water	Depth:	30 feet				
×	013 Mud, Cutting	gs, Cement at Seafloor	Water	Depth:	137 feet				
	014 Test Fluid		Water 1	Water Depth:					
	ovide a brief description of the treatment process(es) and disposal practices (e.g., backhauled, reinjected, discharged,								
	at the facility.								
		that shows flows of discharged waste							
		g to the effluent, and treatment units la							
		ce on the line drawing by showing av balance cannot be determined, provid							
		ction or treatment measures.	e a pictoriai descriptio	on or the	nature and amount or any				
	ll Information	stor of treatment measures.							
	Name:	Devil's Paw-1	Latitude:		70° 52' 22.759" N				
Wel	l Number:	1	Longitude:		-165°14'56.208" W				
			Hole Diameter or						
Beg	inning Drill Date:	July 1, 2013	Estimated Total Disc		36" diameter at surface,				
Ŭ	Ü		Volume:		8.5" at depth.				
Dri	lling Fluid		•		-				
		X Water-based			ignosulfonate				
C-4-		Oil-based		I	ime				
	gory ck all that apply)	Synthetic-based			Бур				
(cnec		Other (specify):	Group		Sea-water				
			(check all that apply)		Saltwater				
					aturated Saltwater				
					Vondispersed				
	<u> </u>				Viscosifier/Polymer)				

Permit No.: AKG280000

Zone of Deposit Request (applicable to those	discha	rges v	vithin state	of Alaska w	aters))		
Are you requesting a Zone of Deposit from ADEC	ng a Zone of Deposit from ADEC?			filling out n)	X	proce	this section and eed to Special litions, below)	
THE FOLLOWING INFORMATION MUST BE F	ROVII	DED I	F REQUES	TING A ZO	ONE	OF DE	POSIT. The burden	
of proof for justifying a zone of deposit through der with the applicant.	nonstra	ting c	ompliance	with the req	uirem	ents of	f 18 AAC 70.210 rests	
Distance from shoreline of discharge point				Average N	Mud		-	
(measured at M.L.L.W.):				density:				
Depth of discharge				Flow Rate	:	İ		
(measured at M.L.L.W.):								
Orientation of outfall to shoreline				Total Volu	ıme			
(e.g., perpendicular, 45°, parallel):								
Orientation of outfall to water surface	-			Maximum		ent		
(e.g., perpendicular, 45°, parallel):				and direct				
If possible, provide salinity and temperature data from th								
Mixing Zone Request (applicable to those	<u>disch</u>	arge.	s within si	tate of Alc	ıska	water	<u>s)</u>	
Are you requesting a mixing zone from ADEC?		Yes (continue filling out this section)			X	No (skip this section and proceed to Special Conditions, below)		
THE FOLLOWING INFORMATION MUST BE I	ROVII	DED I	F REQUES	TING A M	IXIN			
proof for justifying a mixing zone through demonst 18 AAC 70.270 rests with the applicant.								
Distance from shoreline of discharge point or first port of diffuser (measured at M.L.L.W.):				Length of	diffu	ser:		
Depth of discharge port or diffuser (measured at M.L.L.W.):				Diameter	of poi	it(s):		
Orientation of diffuser to shoreline (e.g., perpendicular, 45°, parallel):				Number o	f port	s:		
Maximum current:				Port spaci	ng:			
USES OF RECEIVING WATER AT DISTANCE FROM DIFFUSER i.e. Supply for drinking water, Supply for agriculture including irrigation & stock water, Supply for aquaculture, Supply for industrial use, Contact recreation, Secondary recreation, Fish spawning, Harvesting and consumption of raw fish, or other aquatic life (Not needed if not requesting a mixing zone from ADEC):								
70 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				4 1 4 2			1100	
If possible, provide salinity and temperature data from the	e receivi	ng wat	ter surface to	the depth of	the di	scharge	port or diffuser.	

Permit No.: AKG280000

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

Special Conditions (pr	ovide ju	stification	for a	ıll that are not	required, completed or provided)					
Special Monitoring		Required	X	Not Required	Justification:					
Exploration Plans		Attached	X	Not Provided	Justification: Submit to BOEMRE					
Biological Survey(s)		Attached	×	Not Provided	Justification: None required					
Environmental Report(s)		Attached	×	Not Provided	Justification: Submit to BOEMRE as part of Exploration Plan					
Drilling Fluid Plan		Complete	X	Not Complete	Justification: Submit to BOEMRE as part of Exploration Plan					
Certification	Certification									
accordance with a system described submitted. Based on my incommunity for gathering the information	esigned to quiry of th n, the info here are si	assure that on person or person substitution substitution gnificant per	qualifi person mitted	ed personnel pro s who manage th is, to the best of	e prepared under my direction or supervision in perly gather and evaluate the information he system, or those persons directly responsible my knowledge and belief, true, accurate, and halse information, including the possibility of fine					
Signature: Box	Lien			Date:	4-15-11					
Printed Name: Bruce St. P	ierre			Title:	Senior Environmental Coordinator					
Mail Completed NOI	to EPA	and ADE	C at	the following	addresses:					
US EPA				ADEC, Water Division						
1200 6 th Avenue, M/S OW	W-130				555 Cordova Street					
Seattle, WA 98101				Anchorag	Anchorage, Alaska 99501					

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ATTACHMENT 1

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

APPLICA	NT (Ow	ner/Op	perator	?)							
Owner Nam	e:	Conoc	oPhillip	os Alaska,	Inc.				PO Box 1	0036	60
Telephone N	lumber:	907-2	65-641	17		Operator Mailing Address:			Anchorage, Alaska 99510-0360		
Operator Na	me:	Conoc	:oPhillip	s Alaska,	Inc.						
Telephone N	lumber:	907-26	65-641	7							
FACILIT	Y Y										
Facility Nan	ne:	To Be	Deterr	nined					PO Box	1003	60
Contact Nan	ne:	Bruce	St. Pie	rre			lity N ress:	Mailing	Anchorag	e, Ala	aska 99510-0360
Telephone N	lumber:	907-26	65-641	7	·	Aud	1033.				
Beginning D Operation:	Date of	July 1	1, 2013	1		Stat	ionar	 у	Latitude	:	
Expected Du of Operation		40 Day	ys Per\	Well Site		Faci	lities		Longitude :		
Eagility Tym								_			Center Point: 70° 55'50.313"N (NAD 83)
Facility Typ (check application				ubmersib		Mol	ile F	acilities	Initial Longitud		Center Point: 165°
					; Exact drilling vessel rmined at this time.				:		3'43.939"W (NAD 83)
					n of facility and disc						
					erating and must in ge is within 4000 m						
					m the operation/disc						e area mulcaled by
RECEIV				unico iro	in the operations dies	71tm 5t	11145	t oo bho w	1 011 1110 11	р.	
	chi Sea						Oth	er (<i>specif</i>)	∂ :		
Beaufo						Ц			-		
			U.S. 1	Departme	ent of State and NO	AA th	at the	discharge	is seawa	rd of	the inner boundary
baseline, if a				O.T.							
LOCATION	_				0074						
MMS Lease Number OCS-Y-2374						ADI	٧R	Lease Number Block Number		N/A	
Block Number Colbert Area Block 6074								Block N	umber	N/A	
Range of water depths below mean lower low water (MLLW) in the lease block:						132'			То:	132	
											maga 1 of 1

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Permit No.: AKG280000

		ck all that apply)				
X	001 Drilling M	lud and Cuttings	•	Depth:	30 feet	
X	002 Deck Drain	nage	Water	Depth:	30 feet	
X	003 Sanitary W	/aste	Water	Depth:	30 feet	
X	004 Domestic V	Waste	Water	Water Depth: 30 feet		
X	005 Desalination	on Unit Waste	Water	Depth:	30 feet	
X	006 Blowout Pr		Water	Depth:	132 feet	
X	007 Boiler Blo	wdown (When Applicable)	Water	Depth:	30 feet	
X	008 Fire Contro	ol System Test Water	Water	Depth:	30 feet	
X	009 Non-Conta	act Cooling Water	Water	Depth:	30 feet	
X	010 Uncontami	inated Ballast Water	Water	Depth:	30 feet	
х	011 Bilge Wate	er		Depth:	30 feet	
X	012 Excess Cer	ment Slurry	Water	Depth:	30 feet	
х	013 Mud, Cutti	ings, Cement at Seafloor	Water	Depth:	132 feet	
	014 Test Fluid		Water	Depth:		
		ription of the treatment process(es) as	nd disposal practices (e.	g., backha	uled, reinjected, discharged,	
	at the facility.			C 111	T 1'	
		ng that shows flows of discharged want of the effluent, and treatment unit				
		ance on the line drawing by showing				
		w balance cannot be determined, pro				
		lection or treatment measures.			<u> </u>	
	ll Informatio	n				
Wel	l Name:	Devil's Paw-2	Latitude:		70° 55' 51.410" N	
Wel	l Number:	2	Longitude:		-165° 02'46.065" W	
		July 1, 2013	Hole Diameter or		36" diameter at surface,	
Begi	inning Drill Date	; July 1, 2015	Estimated Total Dis		8.5" at depth	
			Volume:		`	
<u>Dri</u>	lling Fluid	1 == 7	1		 	
		Water-based	_		ignosulfonate	
Cate	gory	Oil-based	_		Lime	
	ck all that apply)	Synthetic-based			Зур	
1		Other (specify):	Group (check all that apply)		lea-water Saltwater	
ļ		<u> </u>	(check an and apply)		Saturated Saltwater	
					Nondispersed	
					Viscosifier/Polymer)	
Ц			,		nuga 2 of 4	

Zone of Deposit Request (applicable to those	discha	irges v	vithin state	of Alaska w	aters)	
Are you requesting a Zone of Deposit from ADEC	sting a Zone of Deposit from ADEC?				X	proce	this section and red to Special litions, below)
THE FOLLOWING INFORMATION MUST BE F	ROVII	DED I	F REQUES	TING A Z	ONE		
of proof for justifying a zone of deposit through de	monstra	iting c	ompliance	with the req	uiren	ents o	f 18 AAC 70.210 rests
with the applicant.			-				
Distance from shoreline of discharge point				Average l	Mud		
(measured at M.L.L.W.):				density:			
Depth of discharge				Flow Rate	e:		
(measured at M.L.L.W.):							
Orientation of outfall to shoreline				Total Vol	ııme.		
(e.g., perpendicular, 45°, parallel):							
Orientation of outfall to water surface				Maximun		ent	
(e.g., perpendicular, 45°, parallel):	<u> </u>			and direct			
If possible, provide salinity and temperature data from th							
Mixing Zone Request (applicable to those	disch	arge	<u>s within s</u>	tate of Ald	<u>aska</u>		<u>s) </u>
Are you requesting a mixing zone from ADEC?		Yes (continue fil this section)			X	proce	this section and teed to Special litions, below)
THE FOLLOWING INFORMATION MUST BE I	ROVII rating o	DED I	F REQUES iance with t	STING A M he requiren	IIXIN nents	G ZON of 18 A	NE. The burden of AC 70.240 through
18 AAC 70.270 rests with the applicant. Distance from shoreline of discharge point or first	I						
port of diffuser (measured at M.L.L.W.):				Length of	diffu	ser:	
Depth of discharge port or diffuser (measured at M.L.L.W.):				Diameter	of po	rt(s):	
Orientation of diffuser to shoreline				Number o	f port	s:	
(e.g., perpendicular, 45°, parallel):							
Maximum current:	<u> </u>			Port space			
USES OF RECEIVING WATER AT DISTANC agriculture including irrigation & stock water, Supp							
Secondary represting Figh analyzing Harvesting a	ny tot e	aquaci	anure, supp on of raw fi	ish or other	. 20112	ist, Cu tic life	(Not needed if not
Secondary recreation, Fish spawning, Harvesting and consumption of raw fish, or other aquatic life (Not needed if not requesting a mixing zone from ADEC):							
	-						
If possible, provide salinity and temperature data from th	e receiv	ing wa	ter surface to	the depth of	the di	scharge	port or diffuser.

Permit No.: AKG280000

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

Special Cond	litions (provid	de ju	stification	for c	ıll that are no	t required, completed or provided)			
	ecial Monitoring		Not Required	Justification:					
Exploration Plan	18		Attached	X	Not Provided	Justification: Submit to BOEMRE			
Biological Surve	ey(s)		Attached	×	Not Provided	Justification: None required			
Environmental Report(s)				Not Provided	Justification: Submit to BOEMRE as part of Exploration Plan				
Drilling Fluid Pl	an		Complete	Not Complete	Justification: Submit to BOEMRE as part of Exploration Plan				
Certification									
accordance with submitted. Base for gathering the complete. I am and imprisonme	a system designed on my inquiry e information, the aware that there nt for knowing v	ned to of the e info are si violati	assure that of e person or permation sub- gnificant per	qualifi person mitted	ed personnel pro is who manage th I is, to the best of	re prepared under my direction or supervision in operly gather and evaluate the information he system, or those persons directly responsible f my knowledge and belief, true, accurate, and false information, including the possibility of fine			
Signature:	Balun	<u>i </u>	-		Date:	4-15-11			
Printed Name:	Bruce St. Pierre	:			Title:	Senior Environmental Coordinator			
Mail Comple	ted NOI to F	PA	and ADE	the following	addresses:				
US EPA				1 '	ADEC, Water Division				
1200 6 th Avenue	•	0				555 Cordova Street			
Seattle, WA 98	101				Anchorag	ge, Alaska 99501			

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ATTACHMENT 1

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

APPLICA	NT (Ow	ner/O	perai	or)						
Owner Name	e:	Cono	coPhi	llips Alaska,	Inc.			PO Box 1	0036	60
Telephone N	umber:	907-2	265-6	417		Operator	Mailing [Anchorage, Alaska 99510-0360		
Operator Na	me:	Cono	coPhi	llips Alaska,	Inc.	Address:	_ [-
Telephone N	umber:	907-2	265-64	417						
FACILITY										
Facility Nam	ie:	То В	e Dete	ermined		F1143	£ !1!	PO Box 1	10036	60
Contact Nam	ne:	Bruce	St. F	Pierre		Facility N Address:	dailing [Anchorage	e, Ala	ıska 99510-0360
Telephone N	umber:	907-2	265-64	417		Audicos.				
Beginning D Operation:	ate of	July	1, 20	13		Stationar	y	Latitude	:	
Expected Du of Operation		40 Da	ays Pe	er Well Site		Facilities		Longitud	de	
		X	Jack	cup Il Ship						Center Point: 70° 58'24.916"N (NAD 83)
Facility Type				nisubmersib	ole	Mobile F	acilities	Initial	` +	Center Point: 165°
(check applica	ibie type)	X	Oth has r	er (<i>specify</i>) not been dete	Exact drilling vessel rmined at this time.			Longitude 11'39.326"W (N. 83)		11'39.326"W (NAD
					n of facility and disc					
					erating and must in					
					ge is within 4000 m					e area indicated by
				listance froi	m the operation/disc	harge mus	t be shown	on the m	iap.	
RECEIVI		TE	<u> </u>							
× Chucke		-			_	□ ^{Oth}	er (<i>specify</i>):		
Beaufo		vith th	o I I S	Danartma	ent of State and NO	 A	dicaharaa	is securo	rd of	the inner houndary
baseline, if a			C U.S	s. Departine	and of State and NO	AA wat uic	discharge	is scawai	iu oi	the finite boundary
LOCATIO	**		HA	RGE	· -					
DOCATIO	Lease No						Lease Ni	ımber	N/A	
MMS	Block N				ADNR Block				_	
Range of water denths below mean lower						133'				
low water (MLLW) in the lease block: From:								To:	133	_

page 1 of 4

Dis	charges (check	all that apply)			
X	001 Drilling Mud	and Cuttings	Water I	Depth:	30 feet
X	002 Deck Draina	ge	Water I	Depth:	30 feet
X	003 Sanitary Was	ste	Water 1	Depth:	30 feet
х	004 Domestic Wa	aste	Water I	Depth:	30 feet
х	005 Desalination	Unit Waste	Water 1	Depth:	30 feet
×	006 Blowout Prev	venter Fluid	Water	Depth:	Į 33feet
X	007 Boiler Blowd	lown (When Applicable)	Water I	Depth:	30 feet
Х	008 Fire Control	System Test Water	Water I	Depth:	30 feet
X	009 Non-Contact	Cooling Water	Water I	Depth:	30 feet
X	010 Uncontamina	ted Ballast Water	Water I	Depth:	30 feet
×	011 Bilge Water	1	Water I	Depth;	30 feet
X	012 Excess Ceme	ent Slurry	Water I	Depth:	30 feet
х	013 Mud, Cutting	s, Cement at Seafloor	Water 1	Depth:	/33 feet
	014 Test Fluid		Water I	-	
Provoper Contand sour Wel	at the facility. vide a line drawing rations contributing struct a flow balancoutfalls. If a flow	tion of the treatment process(es) and of that shows flows of discharged waste to the effluent, and treatment units lace on the line drawing by showing avbalance cannot be determined, providation or treatment measures. Devil's Paw-3 3	e streams through the fabeled to correspond to erage flows between in the a pictorial description. Latitude: Longitude:	facility. In the discontakes, on of the	Indicate intake sources, charges (001 - 014). perations, treatment units,
Begi	inning Drill Date:	July 1, 2013	Hole Diameter or Estimated Total Disc Volume:		36" diameter at surface, 8.5" at depth
Dri	lling Fluid				
	egory ck all that apply)	Water-based Oil-based Synthetic-based Other (specify):	Group (check all that apply)		ignosulfonate ime iyp ea-water altwater
· · ·					aturated Saltwater Jondispersed Viscosifier/Polymer)

Permit No.: AKG280000

Attachment 1: NOI Information Sheet

Zone of Deposit Request (applicable to those	dische	irges v	vithin state	of Alaska w	aters)	· ·	
Are you requesting a Zone of Deposit from ADEC?			Yes (continue this sectio	filling out n)	X	proce	this section and eed to Special litions, below)
THE FOLLOWING INFORMATION MUST BE F	ROVI	DED I	F REQUES	TING A ZO	ONE (OF DE	POSIT. The burden
of proof for justifying a zone of deposit through der	nonstra	ating c	ompliance	with the req	uirem	ents of	f 18 AAC 70.210 rests
with the applicant.			<u> </u>		-		
Distance from shoreline of discharge point				Average N	Mud		-
(measured at M.L.L.W.):				density:			
Depth of discharge				Flow Rate	: :		
(measured at M.L.L.W.):							
Orientation of outfall to shoreline				Total Vol	ıme		
(e.g., perpendicular, 45°, parallel):							
Orientation of outfall to water surface				Maximum		nt	
(e.g., perpendicular, 45°, parallel):				and direct		لــبــا	
If possible, provide salinity and temperature data from the							
Mixing Zone Request (applicable to those	disch	arge	s within s	tate of Ala	aska 1	<u>water</u>	<u>(s)</u>
Are you requesting a mixing zone from ADEC?			Yes (continue this section	filling out on)	X	proce	this section and eed to Special litions, below)
THE FOLLOWING INFORMATION MUST BE F	ROVI	DED I	F REQUES	TING A M	IXIN	G ZON	NE. The burden of
proof for justifying a mixing zone through demonst 18 AAC 70.270 rests with the applicant.							
Distance from shoreline of discharge point or first port of diffuser (measured at M.L.L.W.):				Length of	diffus	er:	
Depth of discharge port or diffuser (measured at M.L.L.W.):				Diameter	of por	t(s):	
Orientation of diffuser to shoreline	-			Number o	fnorte		-
(e.g., perpendicular, 45°, parallel):				Nulliber	r ports	5.	
Maximum current:				Port spaci	ng:		
USES OF RECEIVING WATER AT DISTANCE FROM DIFFUSER i.e. Supply for drinking water, Supply for agriculture including irrigation & stock water, Supply for aquaculture, Supply for industrial use, Contact recreation, Secondary recreation, Fish spawning, Harvesting and consumption of raw fish, or other aquatic life (Not needed if not requesting a mixing zone from ADEC):							
If possible, provide salinity and temperature data from the	e receiv	ing wa	ter surface to	the depth of	the dis	charge	port or diffuser.

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NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

Special Conditions (providence)	de ju	stification	for a	ll that are not	required, completed or provided)				
Special Monitoring		Required	X	Not Required	Justification:				
Exploration Plans		Attached	X	Not Provided	Justification: Submit to the BOEMRE				
Biological Survey(s)		Attached	×	Not Provided	Justification: None required				
Environmental Report(s)		Attached	X	Not Provided	Justification: Submit to BOEMRE as part of Exploration Plan				
Drilling Fluid Plan		Complete	×	Not Complete	Justification: Submit to BOEMRE as part of Exploration Plan				
Certification	Certification								
accordance with a system design submitted. Based on my inquiry for gathering the information, th	ned to of the e info are si	assure that on the person or permation sub- gright gnificant per	qualifi person mitted	ed personnel pro s who manage th l is, to the best of	e prepared under my direction or supervision in perly gather and evaluate the information as system, or those persons directly responsible my knowledge and belief, true, accurate, and alse information, including the possibility of fine				
Signature: Sofrei				Date:	4-15-11				
Printed Name: Bruce St. Pierre	-			Title:	Senior Environmental Coordinator				
Mail Completed NOI to B	PA	and ADE	Cat	the following	addresses:				
US EPA				ADEC, Water Division					
1200 6 th Avenue, M/S OWW-13	0				ova Street				
Seattle WA 98101			l Anchorag	Anchorage, Alaska 99501					

page 4 of 4

ATTACHMENT 1

APPLICA	NT (Ow	ner/O	perat	or)							
Owner Nam	e:	Cono	coPhi	llips Alaska,	Inc.				PO Box 1	0036	30
Telephone N	lumber:	907-2	265-6	417		Ope	rator	Mailing	Anchorag	e, A	laska 99510-0360
Operator Na	me:	Cono	coPhil	lips Alaska, l	Inc.	Address:					
Telephone N	lumber:	907-2	65-64	117							
FACILIT	Y				-						·
Facility Nan	ne:	То Ве	Dete	ermined		m ·		£ 111	PO Box 1	003	60
Contact Nan	ne:	Bruce	St. F	ierre		Faci Add		Iailing	Anchorage	e, Ala	iska 99510-0360
Telephone N	elephone Number: 907-265-6417										
Beginning D Operation:	Date of	July	1, 20 ⁻	13		Stati	onary	y	Latitude:		
Expected Du of Operation		40 Da	ys Pe	er Well Site		Faci	lities	•	Longitud	le	
Engility Tym		××	Jack Dril	cup 1 Ship					Initial Latitude:		Center Point: 70° 48'2.211"N (NAD 83)
Facility Typ (check application		\square	Semisubmersible Other (specify): Exact drilling vessel has not been determine at this time.			Mob	ile Fa	acilities	Initial Longitud		Center Point:165° 35'5.642"W (NAD 83)
may designate operations when the permit, to	ite an area vithin thos hose areas	where e area and t	they s. If heir d	may be op the discharg	n of facility and disc erating and must in ge is within 4000 m m the operation/disc	clude eters c	a maj of an	p showing environme	those area entally sen	as an Isitiv	d a description of
RECEIV	ING WA	TEI	1								
Beaufo								er (<i>specify</i>	•		
			e U.S	. Departme	nt of State and NO	AA th	at the	discharge	is seawar	d of	the inner boundary
baseline, if a			YTT A	DOE	<u> </u>						
LOCATION	Lease Ni		_	NGE OCS-Y-2	204			7 37	. 1		
MMS		,				ADN	√R	Lease No Block No		N/A	-
D C	Block N				rea Block 6220			Block N	umber	N/A	-
Range of water (M					From:	138'			To:	138	'
					<u>. </u>						

X 001 Drilling Mud and Cuttings Water Depth: 30 feet X 002 Deek Drainage Water Depth: 30 feet X 003 Sanitary Waste Water Depth: 30 feet X 004 Domestic Waste Water Depth: 30 feet X 005 Desalination Unit Waste Water Depth: 30 feet X 006 Blowout Preventer Fluid Water Depth: 38 feet X 007 Boiler Blowdown (When Applicable) Water Depth: 30 feet X 008 Fire Control System Test Water Water Depth: 30 feet X 008 Fire Control System Test Water Water Depth: 30 feet X 009 Non-Contact Cooling Water Water Depth: 30 feet X 010 Uncontaminated Ballast Water Water Depth: 30 feet X 011 Bilge Water Water Depth: 30 feet X 012 Excess Cement Slurry Water Depth: 30 feet X 013 Mud, Cuttings, Cement at Seafloor Water Depth: 30 feet X 014 Test Fluid Water Depth: 138 feet Y 014 Test Fluid Water Depth: 138 feet Y 015 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 018 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 018 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 019 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 019 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 011 Bilge Water Water Depth: 100 feet X 012 Excess Cement Slurry Water Depth: 100 feet X 013 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 015 Mud, Cuttings, Cement at Seafloor Water Depth: 138 feet X 010 Interval of the treatment process(es) and disposal practices (e.g., backhauled, reinjected, discharged, etc., at the facility. Indicate intake sources, operations contributing to the effluent, and treatment units labeled to correspond to the discharges (001 - 014). Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalis. If a flow balance cannot be determined, provide a pictorial descripti	Dis	charges (check	all that apply)			
				Water	Depth:	30 feet
Sect	X	002 Deck Draina	ge	Water	Depth:	30 feet
Sources Sou	X	003 Sanitary Wa	ste	Water	Depth:	30 feet
	X	004 Domestic W	aste	Water	Depth:	30 feet
Mater Depth: 30 feet	X	005 Desalination	Unit Waste	Water	Depth:	30 feet
X 008 Fire Control System Test Water Water Depth: 30 feet X 009 Non-Contact Cooling Water Water Depth: 30 feet X 010 Uncontaminated Ballast Water Water Depth: 30 feet X 011 Bilge Water Water Depth: 30 feet X 012 Excess Cement Slurry Water Depth: 30 feet X 013 Mud, Cuttings, Cement at Seafloor Water Depth: 30 feet X 014 Test Fluid Water Depth: 30 feet X 014 Test Fluid Water Depth: 30 feet X 015 Excess Cement Slurry Water Depth: 30 feet X 016 Excess Cement Slurry Water Depth: 30 feet X 017 Excess Cement Slurry Water Depth: 30 feet X 018 Excess Cement Slurry Water Depth: 30 feet X 019 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 012 Excess Cement Slurry Water Depth: 30 feet X 013 Mud, Cuttings, Cement at Seafloor Water Depth: 30 feet X 014 Test Fluid Water Depth: 30 feet X 015 Excess Cement Slurry Water Depth: 30 feet X 016 Excess Cement Slurry Water Depth: 30 feet X 017 Excess Cement Slurry Water Depth: 30 feet X 018 Excess Cement Slurry Water Depth: 30 feet X 018 Excess Cement Slurry Water Depth: 30 feet X 019 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Cement Slurry Water Depth: 30 feet X 010 Excess Ce	X	006 Blowout Pre	venter Fluid	Water	Depth:	138 feet
Section Sec	X	007 Boiler Blow	down (When Applicable)	Water	Depth:	30 feet
	X	008 Fire Control	System Test Water	Water	Depth:	30 feet
Mater Depth: 30 feet	X	009 Non-Contact	Cooling Water	Water	Depth:	30 feet
Signature Surry Water Depth: 30 feet	X	010 Uncontamin	ated Ballast Water	Water	Depth:	30 feet
Nater Depth: 138 feet	x	011 Bilge Water		Water	Depth:	30 feet
Ol4 Test Fluid Water Depth:	X	012 Excess Cem	ent Slurry	Water	Depth:	30 feet
Provide a brief description of the treatment process(es) and disposal practices (e.g., backhauled, reinjected, discharged, etc.) at the facility. Provide a line drawing that shows flows of discharged waste streams through the facility. Indicate intake sources, operations contributing to the effluent, and treatment units labeled to correspond to the discharges (001 - 014). Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Number: 4	×	013 Mud, Cutting	gs, Cement at Seafloor	Water	Depth:	13€ feet
etc.) at the facility. Provide a line drawing that shows flows of discharged waste streams through the facility. Indicate intake sources, operations contributing to the effluent, and treatment units labeled to correspond to the discharges (001 - 014). Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Name: Devil's Paw-4 Latitude: 70° 48' 46.314" N Longitude: -165° 37'35.246" W Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Drilling Fluid Category (check all that apply) Category (check all that apply) Other (specify): Group (check all that apply) (check all that apply) Total Discharge Sea-water Satuvated Saltwater Nondispersed (Viscosifier/Polymer)		014 Test Fluid		Water	Depth:	
Provide a line drawing that shows flows of discharged waste streams through the facility. Indicate intake sources, operations contributing to the effluent, and treatment units labeled to correspond to the discharges (001 - 014). Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Name: Devil's Paw-4 Latitude: 70° 48' 46.314" N Well Number: 4 Longitude: -165° 37'35.246" W Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Drilling Fluid Category (check all that apply) Other (specify): Group (check all that apply) Group (check all that apply) Saltwater Category (check all that apply) Saltwater Saltwater Saltwater Nondispersed (Viscosifier/Polymer)			tion of the treatment process(es) and	disposal practices (e.g	., backhau	iled, reinjected, discharged,
operations contributing to the effluent, and treatment units labeled to correspond to the discharges (001 - 014). Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Name: Devil's Paw-4 Latitude: To° 48' 46.314" N Longitude: -165° 37'35.246" W Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Drilling Fluid Category (check all that apply) Category (check all that apply) Check all that apply) Group (check all that apply) Group (check all that apply) Saltwater Saturated Saltwater Nondispersed (Viscosifier/Polymer)					T	
Construct a flow balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Name: Devil's Paw-4 Latitude: 70° 48' 46.314" N Well Number: 4 Longitude: -165° 37'35.246" W Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Drilling Fluid Category (check all that apply) Other (specify): Group (check all that apply) Synthetic-based Check all that apply) Saltwater Other (specify): Group (check all that apply) Saltwater Saturated Saltwater Nondispersed (Viscosifier/Polymer)						
and outfalls. If a flow balance cannot be determined, provide a pictorial description of the nature and amount of any sources, and any collection or treatment measures. Well Information Well Name: Devil's Paw-4 Latitude: Longitude: Longitude: -165° 37'35.246" W Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Drilling Fluid Category (check all that apply) Category (check all that apply) Check all that apply) Group (check all that apply) Group (check all that apply) Saturated Saltwater Nondispersed (Viscosifier/Polymer)						
Sources, and any collection or treatment measures. Well Information Well Name:						
Well Name: Devil's Paw-4 Well Number: 4 Longitude: -165° 37'35.246" W Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Total Discharge Volume: Lignosulfonate Category (check all that apply) Category (check all that apply) Other (specify): Group (check all that apply) Group (check all that apply) Total Discharge Volume: Saturated Saltwater Category Check all that apply						
Well Number: Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Category (check all that apply) Check all that apply) Group (check all that apply) Saltwater Saltwater Nondispersed (Viscosifier/Polymer)	We	ll Information				
Beginning Drill Date: July 1, 2013 Hole Diameter or Estimated Total Discharge Volume: 36" diameter at surface, 8.5" at depth Total Discharge Volume: Drilling Fluid			Devil's Paw-4			
Beginning Drill Date: Suly 1, 2013 Estimated Total Discharge Volume: Standard S	Wel	l Number:	4	Longitude:		165° 37'35,246" W
Beginning Drill Date: Beginning Drill Date:			July 1, 2013		3	6" diameter at surface,
Category (check all that apply) Check all that apply Check all	Begi	inning Drill Date:	July 1, 2010			
Category (check all that apply) Category (check all that apply) Check all that apply) Category (check all that apply)	<u></u>	112 T212.J		volume:		
Category (check all that apply) Check all that apply) Other (specify): Group (check all that apply) Group (check all that apply) Check all that apply) Saltwater Saturated Saltwater Nondispersed (Viscosifier/Polymer)	Dri		Water based		<u> </u>	gnaculfoneta
Category (check all that apply) Other (specify): Group (check all that apply) Synthetic-based Group Sea-water Saltwater Saturated Saltwater Nondispersed (Viscosifier/Polymer)						
Other (specify): Group (check all that apply) Group (check all that apply) Sea-water Saltwater Saturated Saltwater Nondispersed (Viscosifier/Polymer)						
Saturated Saltwater Nondispersed (Viscosifier/Polymer)	(chec	ck all that apply)		Group		
Nondispersed (Viscosifier/Polymer)				(check all that apply)		
(Viscosifier/Polymer)				•		
(Viscosifier/Polymer)						
						/iscosifier/Polymer) page 2 of 4

Permit No.: AKG280000

Zone of Deposit Request (applicable to those	discha	rges v	vithin state	of Alaska w	aters)	
Are you requesting a Zone of Deposit from ADEC			Yes	filling out	X	No (skip proce	this section and red to Special litions, below)
THE FOLLOWING INFORMATION MUST BE F	ROVII	DED I	F REQUES	TING A ZO	ONE		
of proof for justifying a zone of deposit through der							
with the applicant.							
Distance from shoreline of discharge point				Average N	⁄Iud		
(measured at M.L.L.W.):	l			density:			
Depth of discharge				Flow Rate	::		
(measured at M.L.L.W.):	<u></u>						
Orientation of outfall to shoreline				Total Vol	ıme.		_
(e.g., perpendicular, 45°, parallel):							
Orientation of outfall to water surface	l			Maximum		ent	
(e.g., perpendicular, 45°, parallel):				and direct			
If possible, provide salinity and temperature data from the							
Mixing Zone Request (applicable to those	: disch	arge	s within s	tate of Ala	iska	water	<u>s)</u>
Are you requesting a mixing zone from ADEC? Yes (continue filling out this section and proceed to Special							
THE FOLLOWING INFORMATION MUST BE F							
proof for justifying a mixing zone through demonst 18 AAC 70.270 rests with the applicant.							
Distance from shoreline of discharge point or first port of diffuser (measured at M.L.L.W.):				Length of	diffu	ser:	
Depth of discharge port or diffuser (measured at M.L.L.W.):				Diameter	of por	t(s):	
Orientation of diffuser to shoreline				Number o	f nort	۵.	
(e.g., perpendicular, 45°, parallel):							
Maximum current:				Port spaci			
USES OF RECEIVING WATER AT DISTANC agriculture including irrigation & stock water, Supp Secondary recreation, Fish spawning, Harvesting at requesting a mixing zone from ADEC):	oly for a	quaci	ılture, Supp	ly for indus	trial u	se, Co	ntact recreation,
TC 91 11 11 12 12 14 14 15 14 14 15 14 15 14 16 16 16 16 16 16 16 16 16 16 16 16 16				عام مادر داد	41- 1:		
If possible, provide salinity and temperature data from the	e receivi	ing wa	ter surface to	the depth of	the di	scnarge	port or diffuser.

Permit No.: AKG280000

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

Special Conditions (providence)	de ju	stification	for a	ıll that are noi	required, completed or provided)				
Special Monitoring		Required	X	Not Required	Justification:				
Exploration Plans		Attached	X	Not Provided	Justification: Submit to BOEMRE				
Biological Survey(s)		Attached	x	Not Provided	Justification: None required				
Environmental Report(s) Attached Not Provided Justification: Submit to BOEMRE as part of Exploration Pi									
Drilling Fluid Plan Complete X Not Complete Submit to BOEMRE as part of Exploration Plan									
Certification					-				
accordance with a system design submitted. Based on my inquiry for gathering the information, th	ned to of the info are si	assure that of e person or per rmation sub- gnificant per	ualifi erson mitted	ed personnel pro s who manage th l is, to the best of	e prepared under my direction or supervision in perly gather and evaluate the information are system, or those persons directly responsible my knowledge and belief, true, accurate, and calse information, including the possibility of fine				
Signature: 38 Lien	<u>` </u>	-		Date:	4-15-11				
Printed Name: Bruce St. Pierre)			Title:	Senior Environmental Coordinator				
Mail Completed NOI to I	PA:	and ADE	C at	the following	addresses:				
US EPA					later Division				
1200 6 th Avenue, M/S OWW-13	0				ova Street				
Seattle, WA 98101				Anchorag	ge, Alaska 99501				

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ATTACHMENT 1

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

 			_	_							
<u>APPLICA</u>											
Owner Name	e: 	Conoc	Phill	ips Alaska,	inc.				PO Box 1		
Telephone N	lumber:	907-26	55-64	17				Mailing	Anchorag	je, A	Naska 99510-0360
Operator Na	me:	Conoco	Philli	ips Alaska, I	nc.	Add	ress:				
Telephone N	lumber:	907-26	5-64	17			_				
FACILIT	Y							_			
Facility Nam	ne:	To Be	Dete	rmined		L .	11. 3	e - 112	PO Box	1003	<u> </u>
Contact Nan	ne:	Bruce	St. Pi	erre			nty iv ress:	lailing	Anchorag	e, Al	aska 99510-0360
Telephone N	lumber:	907-26	5-64	17		Auu	1033.				
Beginning D Operation:	ate of	July 1,	201	3		Stati	onary	,	Latitude	:	
Expected Du of Operation		40 Day	s Pe	r Well Site		Faci	lities		Longitue	de	
			Jack Drill	up Ship					Initial Latitude	:	Center Point: 70° 55'49.986"N (NAD 83)
Facility Type (check applicable type)				isubmersib er (<i>specif</i> y):	le Exact drilling vessel	Mol	ile Fa	acilities	Initial Longitue	de	Center Point: 165° 11'37.808"W (NAD 83)
_		🗠 _h	as no	t been deter	mined at this time.				:		
may designa operations w	te an area	where areas.	they If t	may be ope he discharg	of facility and disc erating and must in ge is within 4000 m n the operation/disc	clude eters (a maj of an	o showing environm	g those are entally ser	as a ısiti	Mobile facilities nd a description of ve area indicated by
RECEIVI											
	chi Sea				-		Oth	er (<i>specif</i>	id):		
Supply confi baseline, if a	irmation v		U.S	. Departme	nt of State and NO.	AA th	at the	discharg	e is seawa	rd o	f the inner boundary
LOCATION			HA1	RGE						_	-
LOCATIO	Lease N			OCS-Y-2	2373			Lease N	umber	N/A	<u> </u>
MMS	Block N	umber		Colbert A	rea Block 6073	AD1	NR	Block N	lumber	N/A	
Range of water (N	nter depths	s below the lea	mea	n lower	From:	136	_		То:	13	
											1 ()

page 1 of 4

			····		
Dis	charges (chec	k all that apply)			
X	001 Drilling Mu	nd and Cuttings	Water I	Depth:	30 feet
X	002 Deck Drain	age	Water I	Depth:	30 feet
X	003 Sanitary W	aste	Water I	Depth:	30 feet
X	004 Domestic V	Vaste	Water I	Depth:	30 feet
X	005 Desalinatio	n Unit Waste	Water I	Depth:	30 feet
×	006 Blowout Pr	eventer Fluid	Water I		136 feet
X	007 Boiler Blov	vdown (When Applicable)	Water I	•	30 feet
X	008 Fire Contro	ol System Test Water	Water I	Depth;	30 feet
X	009 Non-Contac	ct Cooling Water	Water I	Depth:	30 feet
X	010 Uncontami	nated Ballast Water	Water I	Depth:	30 feet
×	011 Bilge Wate	er'	Water I	Depth;	30 feet
区	012 Excess Cen	nent Slurry	Water I	Depth:	30 feet
×	013 Mud, Cutti	ngs, Cement at Seafloor	Water I	Depth:	/ॐ feet
厅	014 Test Fluid		Water I	Depth:	
Prov	vide a brief descri	iption of the treatment process(es) and	disposal practices (e.g.	, backh	auled, reinjected, discharged,
etc.)	at the facility.				
Prov	vide a line drawin	g that shows flows of discharged wast	e streams through the f	acility.	Indicate intake sources,
ope	rations contributing	ng to the effluent, and treatment units lance on the line drawing by showing ar	abeled to correspond to	o tile dis	onerations treatment units
Con	istruct a flow bala	w balance cannot be determined, provi-	de a nictorial descriptio	makes, on of the	e nature and amount of any
		ection or treatment measures.	de a protoriai accoripio		
_	ell Information				
-	ll Name:	Devil's Paw-5	Latitude:		70° 54' 57.911" N
Wel	ll Number:	5	Longitude:		-165° 13' 51.464"W
	_	1.1.4.0040	Hole Diameter or		36" diameter at surface,
Beg	inning Drill Date	: July 1, 2013	Estimated Total Disc	charge	8.5" at depth
			Volume:		
Dri	illing Fluid				Limeaulfoueto
	:	Water-based Oil-based	_		Lignosulfonate Lime
Cate	egory	Synthetic-based			Сур
(che	ck all that apply)	Other (specify):	Group		Sea-water
			(check all that apply)		Saltwater
 			1		Saturated Saltwater
					Nondispersed
			<u> </u>		(Viscosifier/Polymer)

Permit No.: AKG280000

Attachment 1: NOI Information Sheet

Zone of Deposit Request (applicable to those	discha	rges v	vithin state	of Alaska w	aters))				
Are you requesting a Zone of Deposit from ADEC?	-		Yes	filling out	X	No (skip proce	this section and eed to Special litions, below)			
THE FOLLOWING INFORMATION MUST BE P	ROVI	DED I	F REQUES	STING A Z	ONE	OF DE	POSIT. The burden			
of proof for justifying a zone of deposit through demonstrating compliance with the requirements of 18 AAC 70.210 rests with the applicant.										
Distance from shoreline of discharge point (measured at M.L.L.W.):				Average I density:	Mud					
Depth of discharge (measured at M.L.L.W.):				Flow Rate	e:					
Orientation of outfall to shoreline (e.g., perpendicular, 45°, parallel):		-		Total Vol	ume:					
Orientation of outfall to water surface (e.g., perpendicular, 45°, parallel):				Maximum and direct		ent				
If possible, provide salinity and temperature data from the	e receiv	ing wa	ter surface to	the depth of	the di	scharge	port or diffuser.			
Mixing Zone Request (applicable to those	disch	arge	s within s	tate of Ala	aska	water	(s)			
Are you requesting a mixing zone from ADEC?			Yes (continue this section	filling out on)	X	proce	this section and eed to Special litions, below)			
THE FOLLOWING INFORMATION MUST BE F proof for justifying a mixing zone through demonst 18 AAC 70.270 rests with the applicant.										
Distance from shoreline of discharge point or first port of diffuser (measured at M.L.L.W.):				Length of	diffu	ser:				
Depth of discharge port or diffuser (measured at M.L.L.W.):				Diameter	of po	1(s):				
Orientation of diffuser to shoreline (e.g., perpendicular, 45°, parallel):				Number o	f port	s:				
Maximum current:				Port spaci	ng:					
USES OF RECEIVING WATER AT DISTANCE FROM DIFFUSER i.e. Supply for drinking water, Supply for agriculture including irrigation & stock water, Supply for aquaculture, Supply for industrial use, Contact recreation, Secondary recreation, Fish spawning, Harvesting and consumption of raw fish, or other aquatic life (Not needed if not requesting a mixing zone from ADEC):										
If possible, provide salinity and temperature data from the	o receiv	ina wa	ter curface to	the denth of	the di	ccharge	nort or diffuser			
ii possible, provide saimily and temperature data from the	e receiv	ing wa	ici suriace ic	ուշ սշրու օւ	ine ai	scharge	port of diffuser.			

Permit No.: AKG280000

NOTICE OF INTENT (NOI) INFORMATION SHEET NPDES GENERAL PERMIT AKG280000 OIL AND GAS EXPLORATION FACILITIES ON THE OUTER CONTINENTAL SHELF AND CONTIGUOUS STATE WATERS

Special Conditions (pro	vide ju	stification	for a	ıll that are not	required, completed or provided)					
Special Monitoring		Required	X	Not Required	Justification:					
Exploration Plans		Attached	X	Not Provided	Justification: Submit to the BOEMRE					
Biological Survey(s)		Attached	×	Not Provided	Justification: None required					
Environmental Report(s)		Attached	X	Not Provided	Justification: Submit to BOEMRE as part of Exploration Plan					
Drilling Fluid Plan Complete Not Complete Submit to BOEMRE as part of Exploration Plan										
Certification										
accordance with a system des submitted. Based on my inqu for gathering the information,	igned to iry of th the info ere are si	assure that of e person or permation sub- gnificant pe	ualifi erson mitted	ed personnel pro s who manage th l is, to the best of	e prepared under my direction or supervision in perly gather and evaluate the information as system, or those persons directly responsible my knowledge and belief, true, accurate, and false information, including the possibility of fine					
Signature:	ene			Date:	4-15-11					
Printed Name: Bruce St. Pie	Printed Name: Bruce St. Pierre Title: Senior Environmental Coordinator									
Mail Completed NOI to	EPA	and ADE	C at	the following	addresses:					
US EPA		=		ADEC, W	later Division					
1200 6th Avenue, M/S OWW	-130			1	ova Street					
Seattle, WA 98101				Anchorag	e. Alaska 99501					

page 4 of 4



Bruce St. Pierre, Jr.
Senior Environmental Coordinator
ConocoPhillips Alaska
700 G Street, ATO 1966
P.O. Box 100360
Anchorage, AK 99510-0360

Phone: (907) 265-6417 Fax: (907) 263-4966

Email:

Bruce.St.Pierre@conocophillips.com

April 14, 2011

Ms. Hanh Shaw U.S. Environmental Protection Agency 1200 6th Ave. M/S OWW-130 Seattle, WA 98101

Certified Mail Return Receipt

Re:

Filing of Notices of Intent (NOI) - REVISED - NPDES General Permit AK280000 ConocoPhillips, Chukchi Sea Exploration Program

Dear Ms. Shaw,

ConocoPhillips Company (COP) hereby submits five Notices of Intent for discharge under the current NPDES General Permit AK280000. COP acquired leases under the Chukchi 193 Lease Sale in February of 2008. We are currently progressing planning documents and permit applications for an exploration program during the summer of 2013.

Per our discussions, some of the discharges under category 001 have been moved to category 013 if they are discharged at the seafloor. The volume for drilling cuttings listed in category 001 is based on historical volumes from similar operations. This volume is not the theoretical gage volume which is based on the well geometry. The 8,585 barrels is based on empirical expansion and washout factors that increase the actual volume of cuttings. The cement volumes listed in discharge category 012 are inclusive of cement, cement spacers and wash-up from the cement unit.

With respect to the volume listed under discharge 010, there is approximately 33,400 barrels of seawater used to fill clean rig tanks to set the legs firmly on the seafloor. This volume is then discharged back to the sea. It is not truly ballast water, but fits best into that category.

Attached are the revised NOI forms, a regional map (Figure 1), a discharge listing (Table 1), and flow diagrams for two scenarios.

Please do not hesitate to contact me by phone at (907) 265-6417 or via email at Bruce.St.Pierre@conocophillips.com if you have any questions or require additional information.

Best Regards,

Bruce St. Pierre

Senior Environmental Coordinator

Bws:

Attachments

Cc: ADEC, Water Division, 555 Cordova St., Anchorage, AK 99501

Table 1: ConocoPhillips Devil's Paw Types and Projected Wastes and Volume of Ocean Discharges During the Drilling Season

The following table lists the types of wastes, expected quantities, and rates of discharge that are expected to be generated during the offshore exploration drilling program at the Devil's Paw Prospect and discharged into the sea. This information is being submitted to the Environmental Protection Agency (EPA) to support a Notice of Intent (NOI) application for authorization to discharge the wastes under National Pollutant Discharge Elimination System (NPDES) General Permit AKG-28-0000.

Waste AKG280000 Discharge Number / Rig Type	Waste Name	Waste composition	Estimated Volume	Estimated Rate of Discharge	Method of determination	Treating, Storing, and Downhole Disposal	Discharge Method
001							
Applicable to both Jack- up Rig or Drill Ship	Drill cuttings generated from +/- 300' to well total depth	Drilled formation rock/water-based drilling mud	8,585 bbls (per well)	Less than 200 bbls/hr for all hole sections below structural casing	Used empirical expansion and washout factors to convert drilled gage hole size to cuttings volume. Gage hole volume is about 30% of the actual volume.	Drill cuttings from the remainder of the well would not normally be stored or disposed of downhole. They would be treated by the rig's solids control system to remove and recycle as much liquid mud as possible. The cuttings would be tested for sheen before being discharged overboard. Cuttings not passing the sheen test would be boxed in liquid tight containers to be disposed of at an approved site.	Added to cooling water discharge stream and discharged through downcomer.
Applicable to both Jack- up Rig or Drill Ship	Water based Drilling Mud	Drilling Mud	800 bbls (per well)	700 bbls/hr	Historic bulk discharge volumes modified for hole size, pit volume, P&A practices, mud systems	There would be occasional discharges of whole mud that have been tested for sheen. Drilling fluids that do not pass the sheen test would be held until transported in bulk or in liquid tight containers to an approved disposal site. At the end of the well excess drilling mud would be disposed of down hole prior to well abandonment.	Added to cooling water discharge stream and discharged through downcomer.
002							
Applicable to both Jack- up Rig or Drill Ship	Deck Drainage	Rain water/snow fall	3,400 bbls/100- day drill season	As accumulated	Rig's flat horizontal surface area times average rain and snow fall for the days on location	tested for sheen and discharged to the ocean.	Added to cooling water discharge stream and discharged through downcomer.

Table 1: ConocoPhillips Devil's Paw Types and Projected Wastes and Volume of Ocean Discharges During the Drilling Season

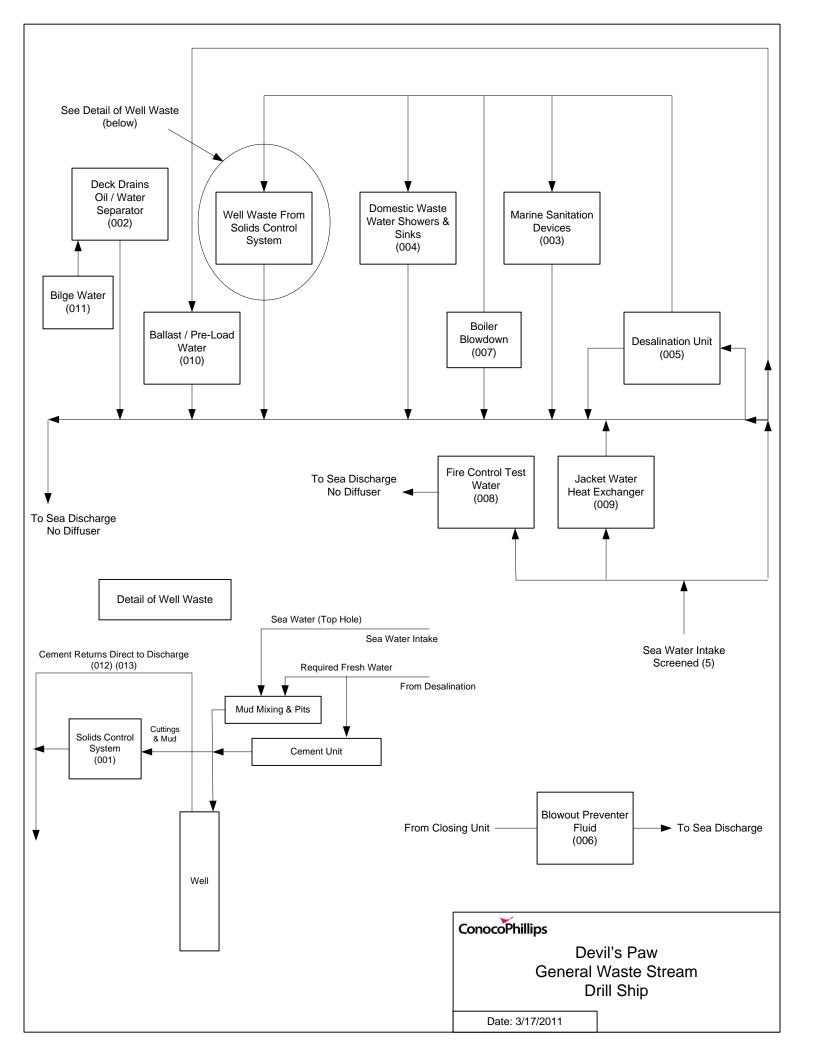
003							
Applicable to both Jack- up Rig or Drill Ship	Sanitary Waste	Effluent from Marine Sanitation Devices (toilets)	4,000 bbls/100- day drill season	40 bbls/day	Historical volumes from similar operations	All sanitary waste from the rig would be treated in USCG approve marine sanitation devices prior to discharge to the ocean.	Added to cooling water discharge stream and discharged through downcomer.
004			11 900				
Applicable to both Jack- up Rig or Drill Ship	Domestic Waste	Gray water from showers, galley, etc	11,800 bbls/100-day drill season	118 bbls/day	Historical volumes from similar operations	Domestic wastes (gray water) would be filtered prior to discharge to the ocean.	Discharged to water through overboard line or caisson.
005							
Applicable to both Jack- up Rig or Drill Ship	Desalination Underflow	Sea water with increased salinity	50,000 bbls/100-day drill season	500 bbls/day	Historical volumes from similar operations	The underflow from the desalinization unit would be returned to the cooling water discharge stream and eventually to the ocean.	Discharged to water through overboard line or caisson.
006							
Applicable to Drill Ship with a Subsea BOP Only	BOP Fluid	Water + ≤3% Stack Magic ECO-F additive + ≤25% Stack Glycol (MEG)	42 bbls	7 bbl/day	Equipment specifications.	Discharge subsea at BOP.	Discharge subsea at BOP
Applicable to Jack-up Rig with an ASID	BOP Fluid	Stack Magic – ECO-F or equivalent	Approximately 5 bbls (per well)	Approximately 38 gal/unit/function	Equipment specifications.	Actuation of the ASID to open would discharge a small volume of Stack Magic ECO-F or its equivalent to the ocean.	Discharged subsea at ASID.
007				_			
Applicable to both Jack- up Rig or Drill Ship	Boiler Blowdown water	Freshwater containing dissolved and suspended solids	200 bbls /100- day season	2 bbl/d	Historical volumes from similar operations.	Discharge to water through overboard line or caisson. Not stored	Discharge to water through overboard line or caisson.
008							
Applicable to both Jack- up Rig or Drill Ship	Fire Control System Test Water	Seawater	100 bbl/month	100 bbl/month	Historical volumes from similar operations.	Discharged to water through overboard line or caisson.	Discharged to water through overboard line or caisson.

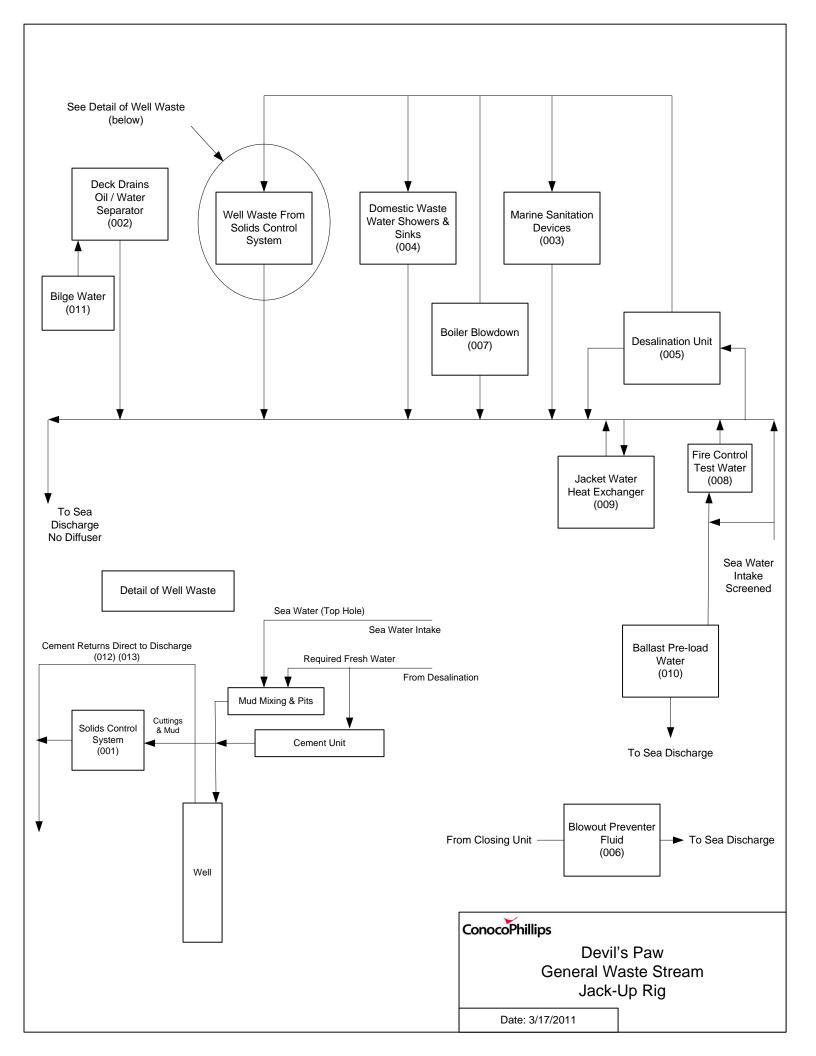
Table 1: ConocoPhillips Devil's Paw Types and Projected Wastes and Volume of Ocean Discharges During the Drilling Season

009							
Drill ship	Non-contact Cooling Water	Seawater	1,665,000 bbls (per well)	48,000 bbls/day	Estimated from previous operations.	Discharged to water through overboard line or caisson.	Discharged to water through overboard line caisson.
Applicable to Jack-up Rig Only	Non-contact Cooling Water	Seawater	4,520,000 bbls (per well)	113,000 bbls/day	Estimated from previous operations.	Discharged to water through overboard line or caisson.	Discharged to water through overboard line or caisson.
010							
Drill Ship	Uncontaminated Ballast Water	Uncontaminated seawater	21,700 bbls (per well)	620 bbls/day	Estimated from previous operations.	Discharged to water through overboard line or caisson.	Discharged to water through overboard line or caisson.
Applicable to Jack-up Rig Only	Uncontaminated Ballast Water / Pre- load Water	Uncontaminated seawater	33,400 bbls (per well)	33,400 bbls/hr (after preload discharge)	Determined by soil conditions, Underwriters requirement and anticipated variable deck load.	While not truly Ballast water, it is sea water that is taken onboard to increase the weight of the Jack-up Rig to insure its stability, confirm leg penetration and ability to hold anticipated deck load. Tanks are dedicated to take water in order to set the jack-up rig on the seafloor.	Raw sea water is taken onboard, held for approximately 3-4 hrs then immediately returned to the sea surface. Direct discharge from clean Pre-load tanks to ocean.
011							
Applicable to both Jack- up Rig or Drill Ship	Bilge Water	Oily seawater and freshwater	875 bbls (per well)	25 bbls/day	Historical volumes from similar operations.	Treated in oily water separator, uncontaminated water discharged to sea through disposal caisson, oily water stored onboard, transferred for transport by boat to an approved treatment/disposal site.	Discharged to water through overboard line or caisson.

Table 1: ConocoPhillips Devil's Paw Types and Projected Wastes and Volume of Ocean Discharges During the Drilling Season

012							
Applicable to both Jack- up Rig or Drill Ship	Excess Cement	Cement, spacers and cement rinsate	800 bbls (per well)	700 bbls/hr	Used empirical washout factors in combination with common excess parameters to insure cement to surface where required. Volume includes rinsate	Excess cement in the structural casing cement job would be returned to the sea floor. Excess cement from the remaining cement jobs would be circulated to the surface and discharged to the ocean. Cement rinsate from all cement jobs would be discharged to the ocean.	Added to cooling water discharge stream and discharged through downcomer.
013							
Drill Ship	Drill cuttings (from MLC and 36-inch section)	Drill cuttings; no drilling muds used	3,310 bbls (per well)	614 bbl/day (for approximately 5 days)	Used empirical expansion and washout factors to convert drilled gage hole size to cuttings volume	Deposited on the surface of the seafloor.	Deposited on the surface of the seafloor.
Applicable Only to Jack- up Rig without Mud Line Cellar	Drill cuttings generated from seafloor to +/- 300' below the seafloor	f Drilled rock/ bentonite	2,030 bbls (per well)	Approximately 400 bbls/hr	Used empirical expansion and washout factors to convert drilled gage hole size to cuttings volume	The cuttings from this top hole section will not be treated, stored or disposed of downhole. They will be circulated up using seawater with Gel sweeps and deposited on the sea floor.	
Applicable to Jack-up Rig with Mud Line Cellar Only	Drill cuttings from Mud Line Cellar including 42" top hole section	Drilled rock/ bentonite	3,120 bbls (per well)	400 bbls/hr to 600 bbls/hr	Used empirical expansion and washout factors to convert drilled gage hole size to cuttings volume	The cuttings from this top hole section will not be treated, stored or disposed of downhole. They will be circulated up using seawater with Gel sweeps and deposited on the sea floor.	
Applicable to both Jack- up Rig or Drill Ship	Mud, cuttings, cement at seafloor	Mud, cuttings, cement spacers, cement rinseate	290 bbls (per well)	700 bbls/hr max.	Historical volumes from similar operations.	Not stored, discharged to seafloor.	Discharge to water through overboard line







UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 10

1200 Sixth Avenue, Suite 900 Seattle, WA 98101-3140

OFFICE OF THE REGIONAL ADMINISTRATOR

JUN 23.2011

Mr. Bruce St. Pierre, Jr.
Senior Environmental Coordinator
ConocoPhillips Alaska, Inc.
700 G Street, ATO 1966
P.O. Box 100360
Anchorage, Alaska 99510-0360

RE: Coverage for ConocoPhillips Alaska, Inc. under the National Pollutant Discharge Elimination System (NPDES) General Permit for Oil and Gas Exploration Activities on the Outer Continental Shelf and Contiguous State Waters for Discharges into the Chukchi Sea, Alaska

Dear Mr. St. Pierre:

On April 5, 2011, the U.S. Environmental Protection Agency (EPA) received six (6) Notices of Intent (NOIs) from ConocoPhillips Alaska, Inc., (COP) for authorization to discharge into the Chukchi Sea. Specifically, the NOIs requested permit coverage under the NPDES General Permit, AKG-28-0000 (Arctic GP), for wastewater discharges from COP's proposed exploration activities beginning in the 2013 drilling season in the Chukchi Sea. The six NOIs were for drilling locations in the COP Devil's Paw prospect area.

The EPA staff requested additional information from COP during NOI review. The EPA received supplemental information on April 14, 2011, which included five (5) revised NOIs, a regional map, a discharge listing table and flow diagrams. COP removed the previously submitted NOI for the Colbert Area Block No. 6122 in its April 14, 2011 submittal.

Pursuant to 40 C.F.R. § 122.21(d)(2) and Part VI.B of the Arctic GP, the NOIs should have been submitted at least 180 days before the June 26, 2011 expiration date of the Arctic GP. The EPA may grant permission to submit NOIs later than the 180-day deadline, but not later than the permit expiration date. Pursuant to 40 C.F.R. § 122.21(d)(2)(i), the EPA hereby grants COP permission to submit the five NOIs after the 180 day deadline and accepts submittal of your NOIs. In addition, the NOIs are deemed complete.

Pursuant to Part I.D.3 of the Arctic GP, COP is authorized the following discharges into the Chukchi Sea from the five proposed drill sites summarized in Table 1, below, subject to the terms and conditions of the Arctic GP:

<u>Discharge Number</u>	<u>Discharge Description</u>	
001	Drilling Fluids and Drilling Cuttings	
002	Deck Drainage	
003	Sanitary Wastes	
004	Domestic Wastes	

005	Desalination Unit Wastes
006	Blowout Preventer Fluid
007	Boiler Blowdown
008	Fire Control System Test Water
009	Non-contact Cooling Water
010	Uncontaminated Ballast Water
011	Bilge Water
012	Excess Cement Slurry
013	Muds, Cuttings, Cement at Seafloor

Table 1 also includes the NPDES permit number assigned to each of the five proposed drill sites. Please use the applicable NPDES permit numbers in all future correspondence and reports.

Table 1

Permit Number	Lease Block	Well Name
AKG-28-0036	6123	Devil's Paw 1
AKG-28-0037	6074	Devil's Paw 2
AKG-28-0038	6023	Devil's Paw 3
AKG-28-0039	6220	Devil's Paw 4
AKG-28-0040	6073	Devil's Paw 5

Please note the effluent limitations and monitoring requirements in Part II and the monitoring, recording and reporting requirements in Part III of the Arctic GP. Discharge Monitoring Reports must be submitted monthly by the 10th day of the following month.

A copy of the Arctic GP is enclosed and is also available on the EPA's webpage at http://yosemite.epa.gov/r10/water.nsf/npdes+permits/arctic-gp . Facilities discharging under the authority of the Arctic GP must keep a copy of the permit and this coverage letter at the facility where the discharges occur, or retain a copy at the nearest administrative or field office managing the operation.

The EPA is in the process of reissuing the Arctic GP as two separate exploration general permits for the Beaufort and Chukchi Seas. Permit coverage under the Arctic GP will expire when coverage under the reissued general permits is in effect. Operators authorized to discharge under the Arctic GP will be required to submit new NOIs for continued permit coverage under the applicable general permits when they are reissued.

If you have any questions regarding this coverage letter or the Arctic GP, please do not hesitate to contact Hanh Shaw, NPDES Permits Unit, at shaw.hanh@epa.gov or (206) 553-0171.

Sincerely,

Dennis J. McLerran

Regional Administrator

